

FIG 1(A)

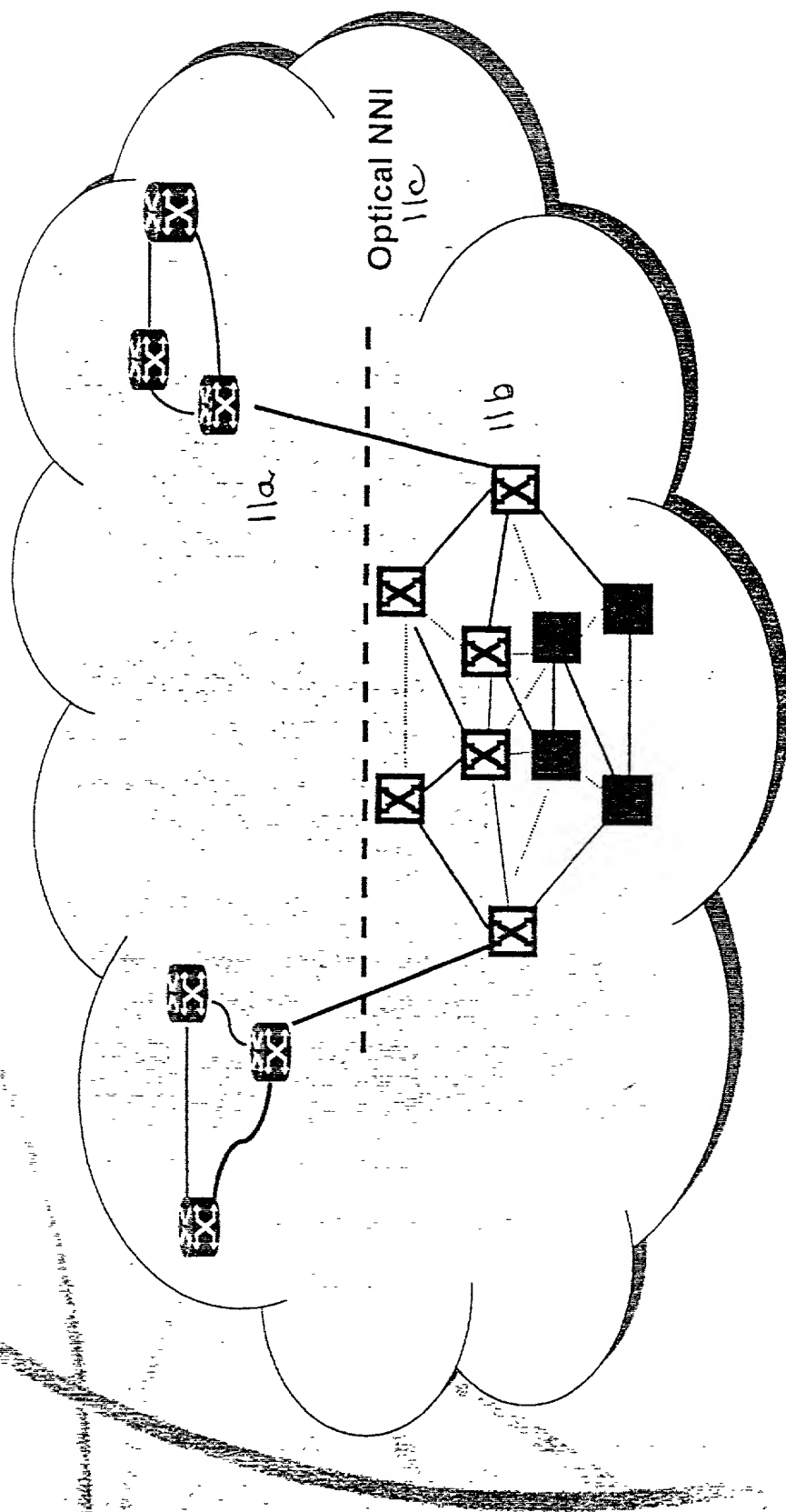


Fig 1(B)

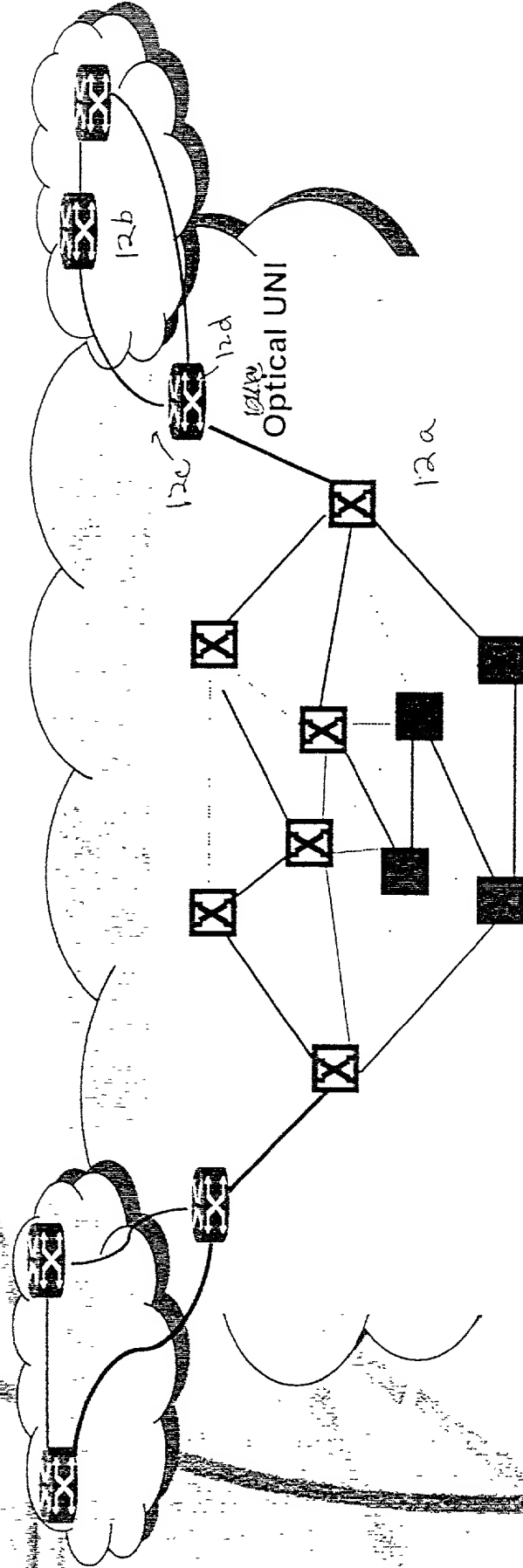


FIG 1(c)

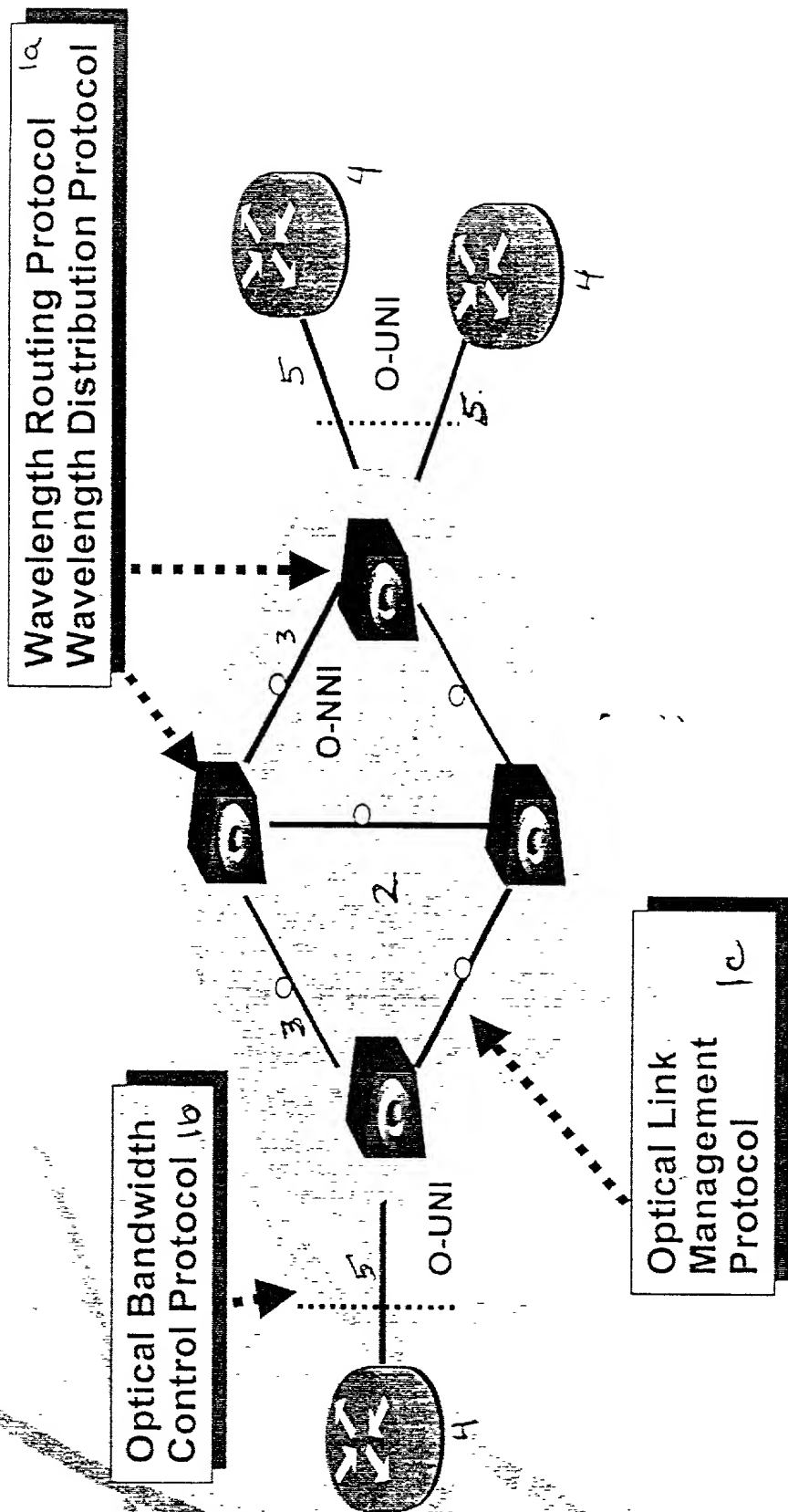


FIG. 2

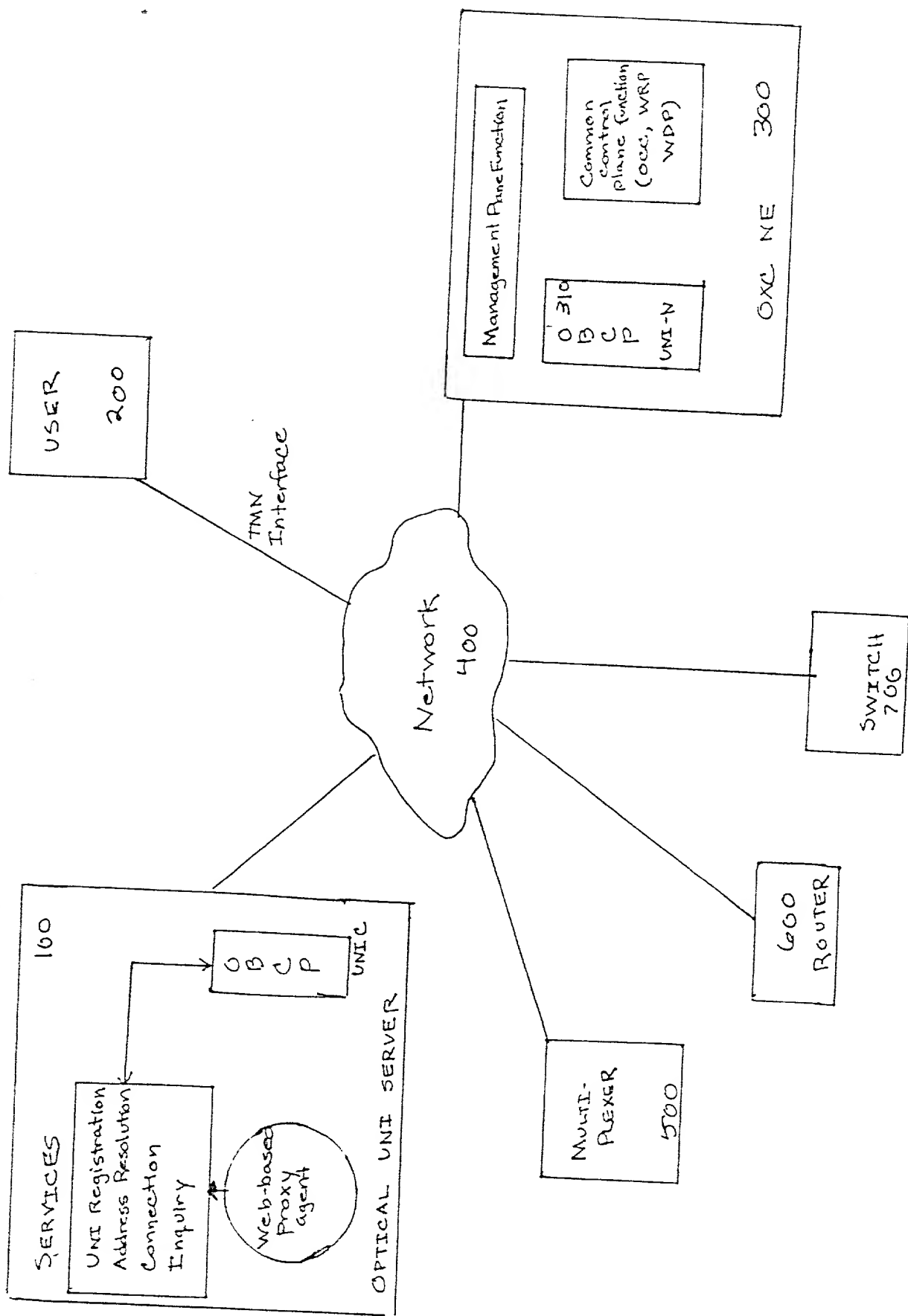


FIG 3

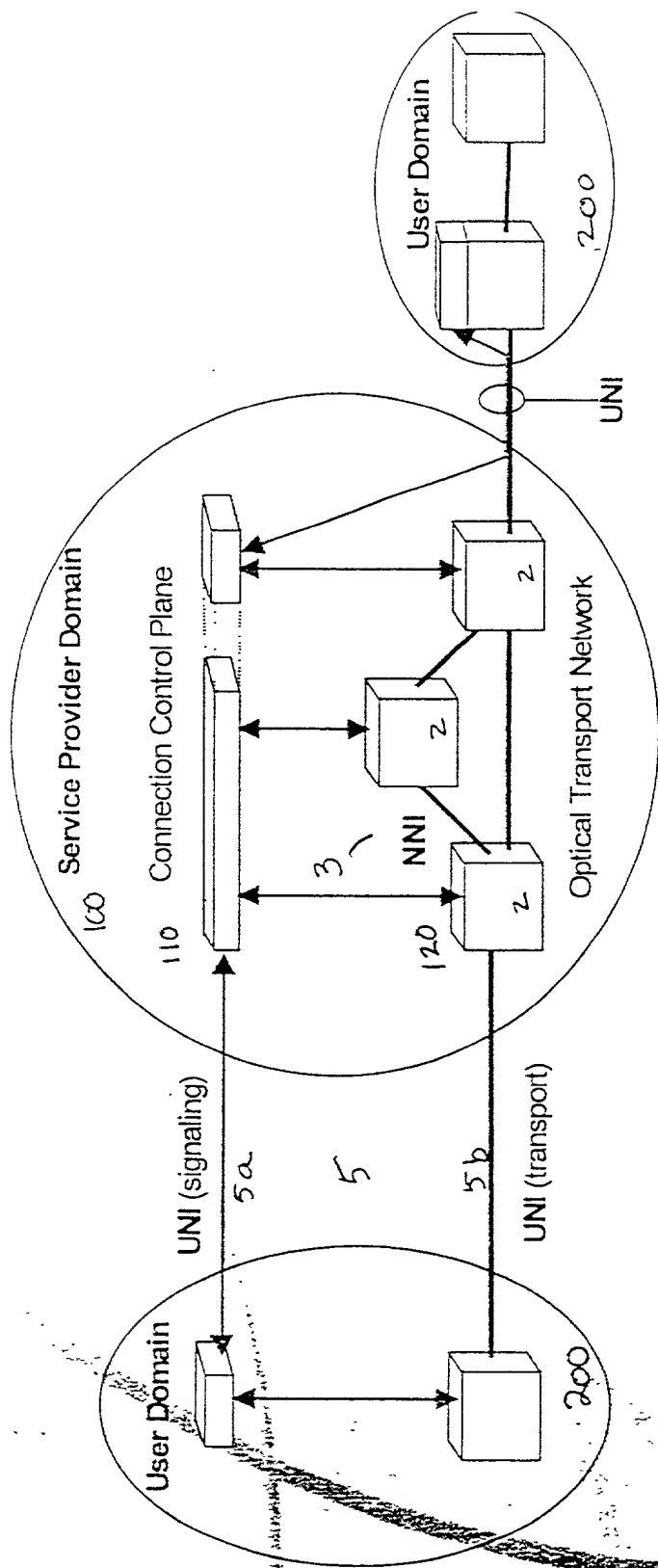


FIG. 4

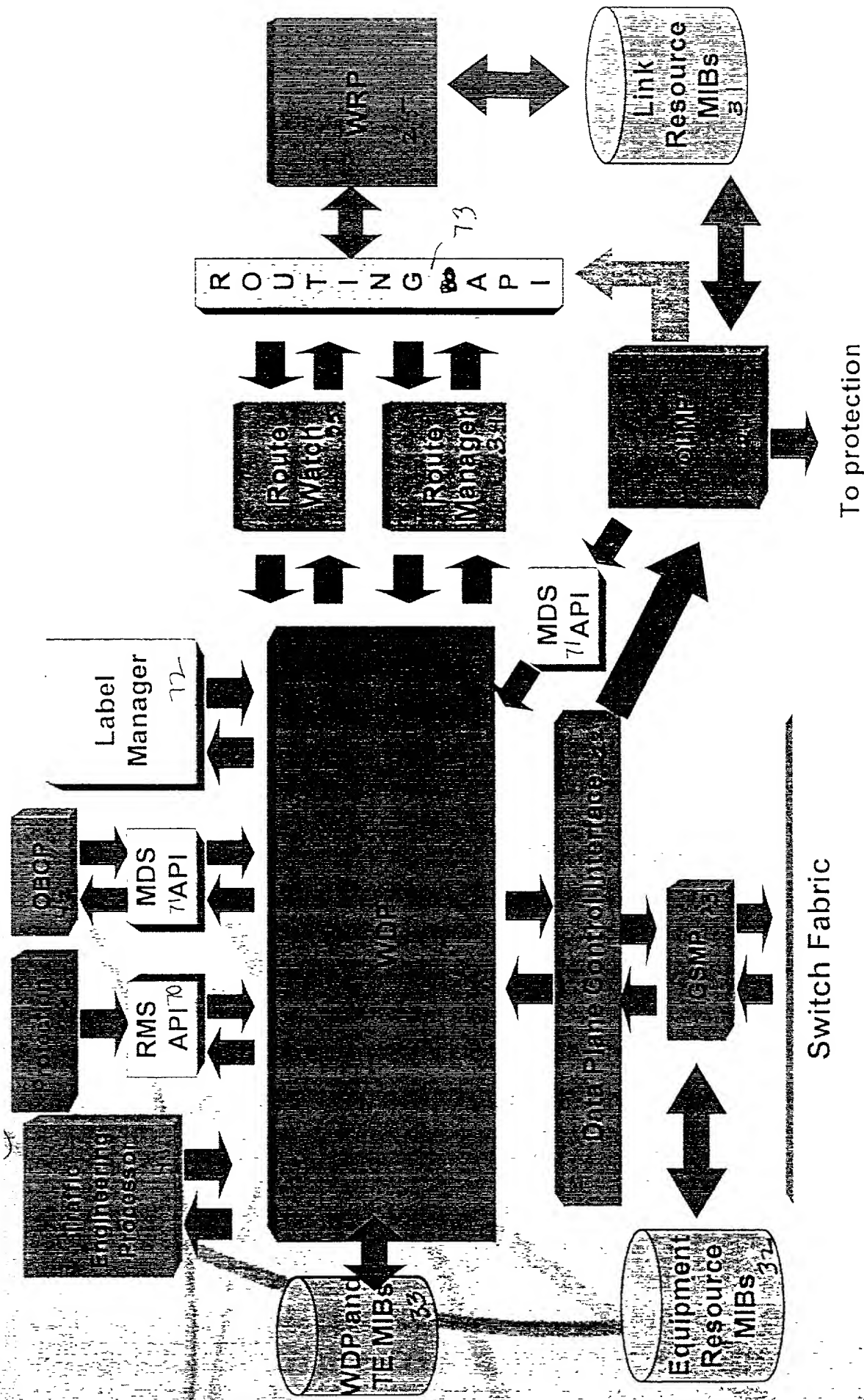


FIG. 5

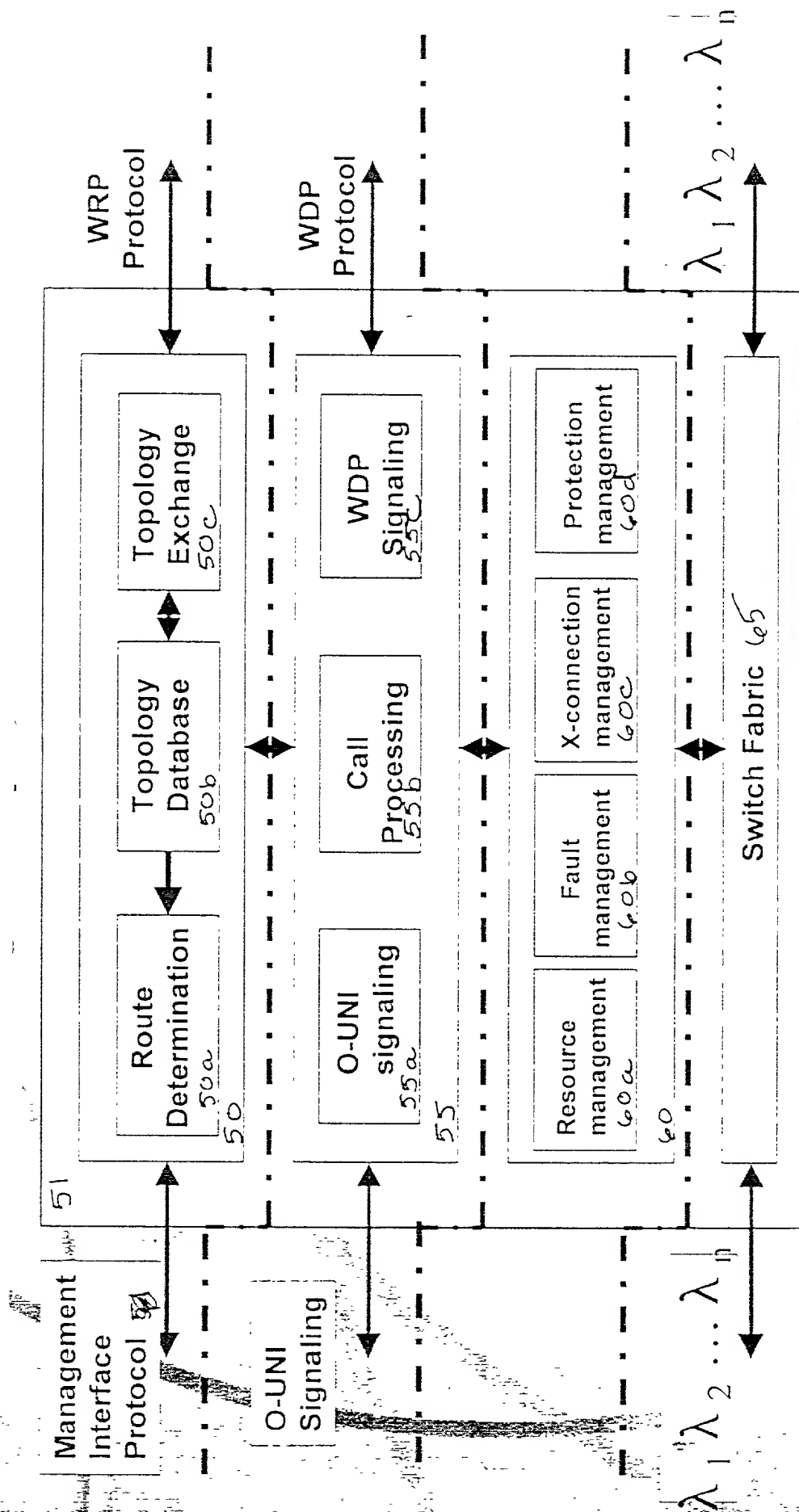


FIG. 6

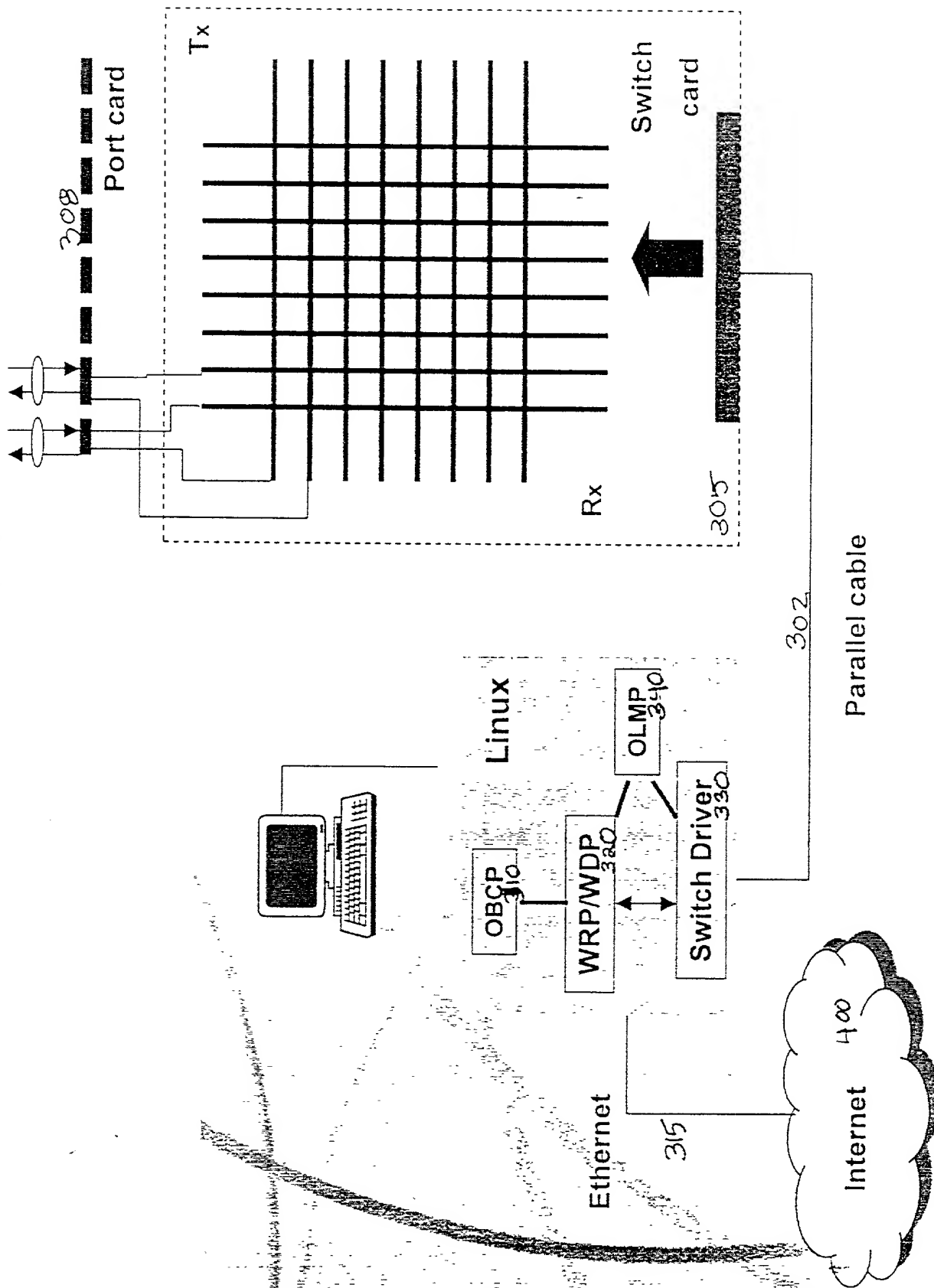


FIG. 7

FIGURE 8

OPTICAL INTERFACE	
DESCRIPTOR 110	
USER GROUP ID 114	
USER CONTACT ID 116	
USER SERVICE MODE 118	
OPTICAL LINK	
ADMINISTRATIVE DOMAIN	120
CUSTOMIZED-LINK RELATED (LINK COLOR) 122	
BROADCAST 123	
BLOCK (DEFAULT) 124	
OPTICAL INTERFACE DESCRIPTOR	125
SERVICE TSA 130	
OPTICAL INTERFACE DESCRIPTOR	TLV 132 INCLUDING
USER SERVICE TYPE (ATM, IS, etc.)	
CONTROL PROTOCOL (BGP, PNNI, etc.)	
FRAMING PROTOCOL (GE, OX-C, fiber channel, etc., link color)	
LINK COLOR	
OPTICAL INTERFACE DESCRIPTOR	

09892569.062001

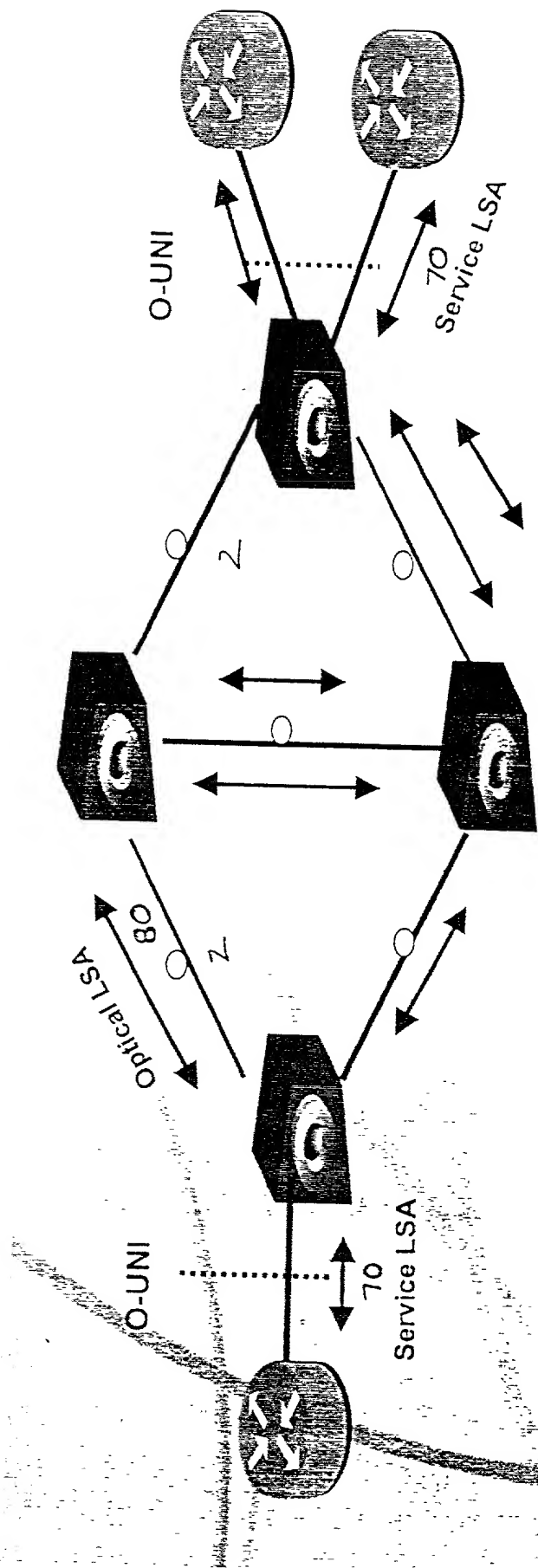


FIGURE 9

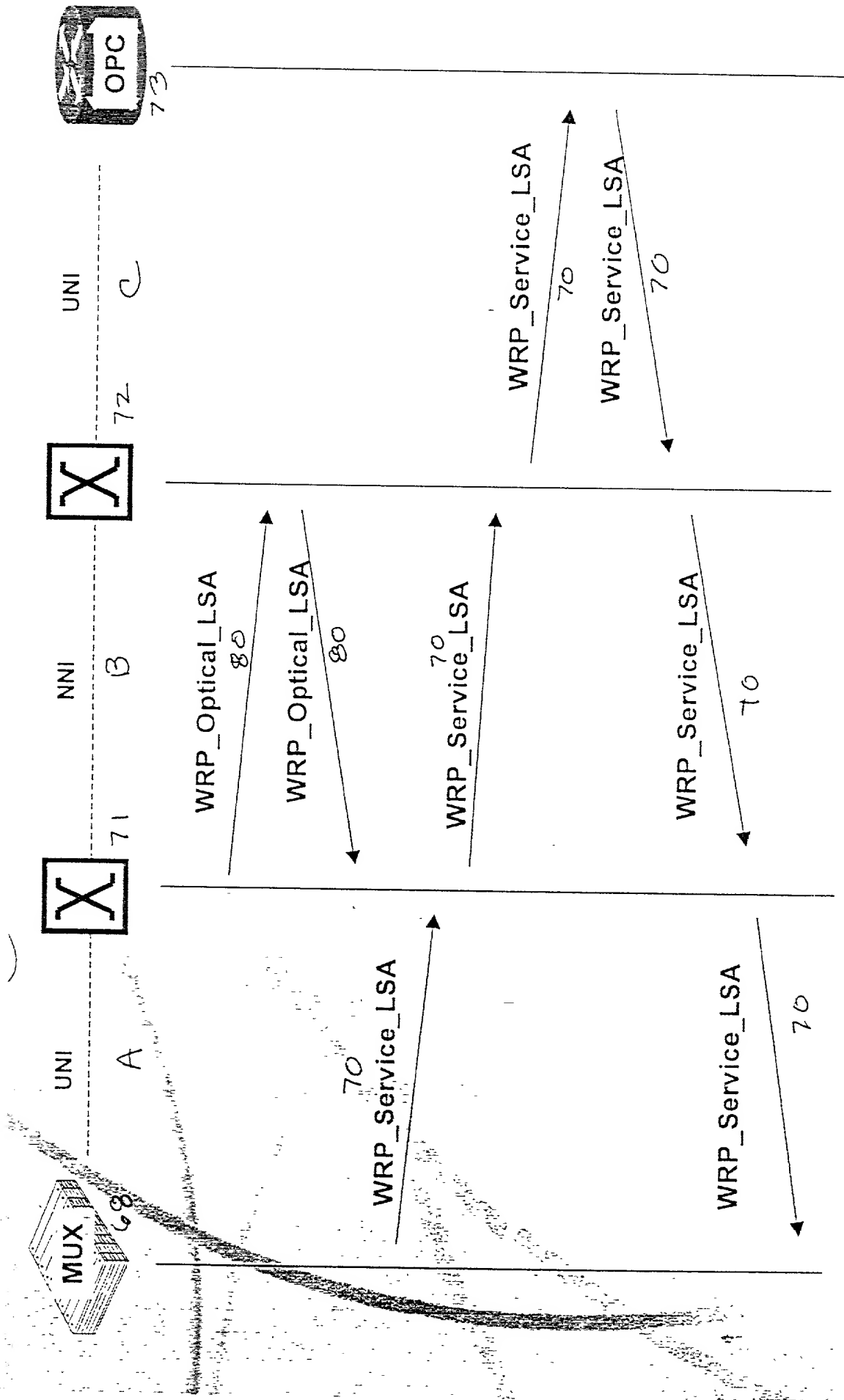


Figure 10

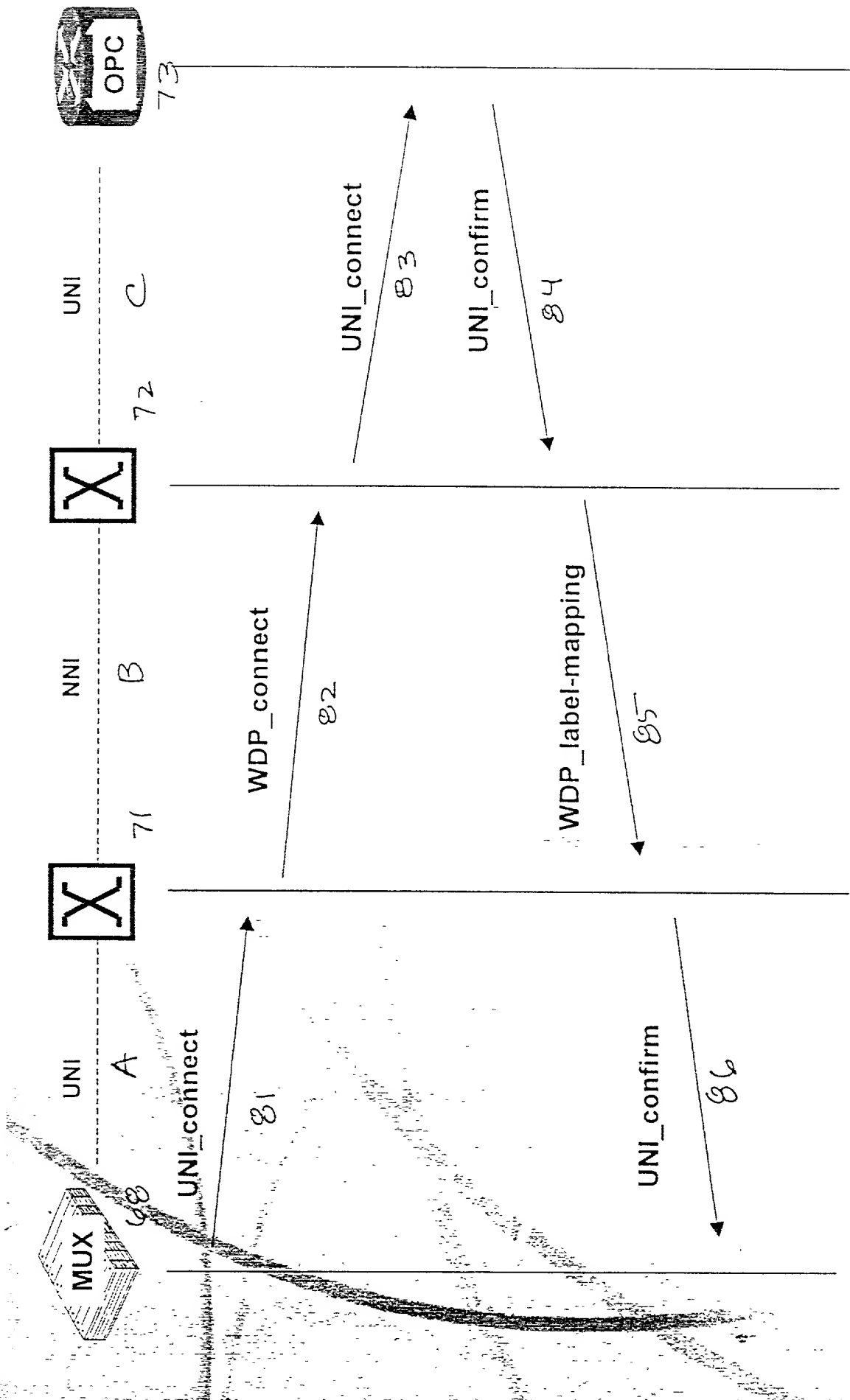


Figure 11

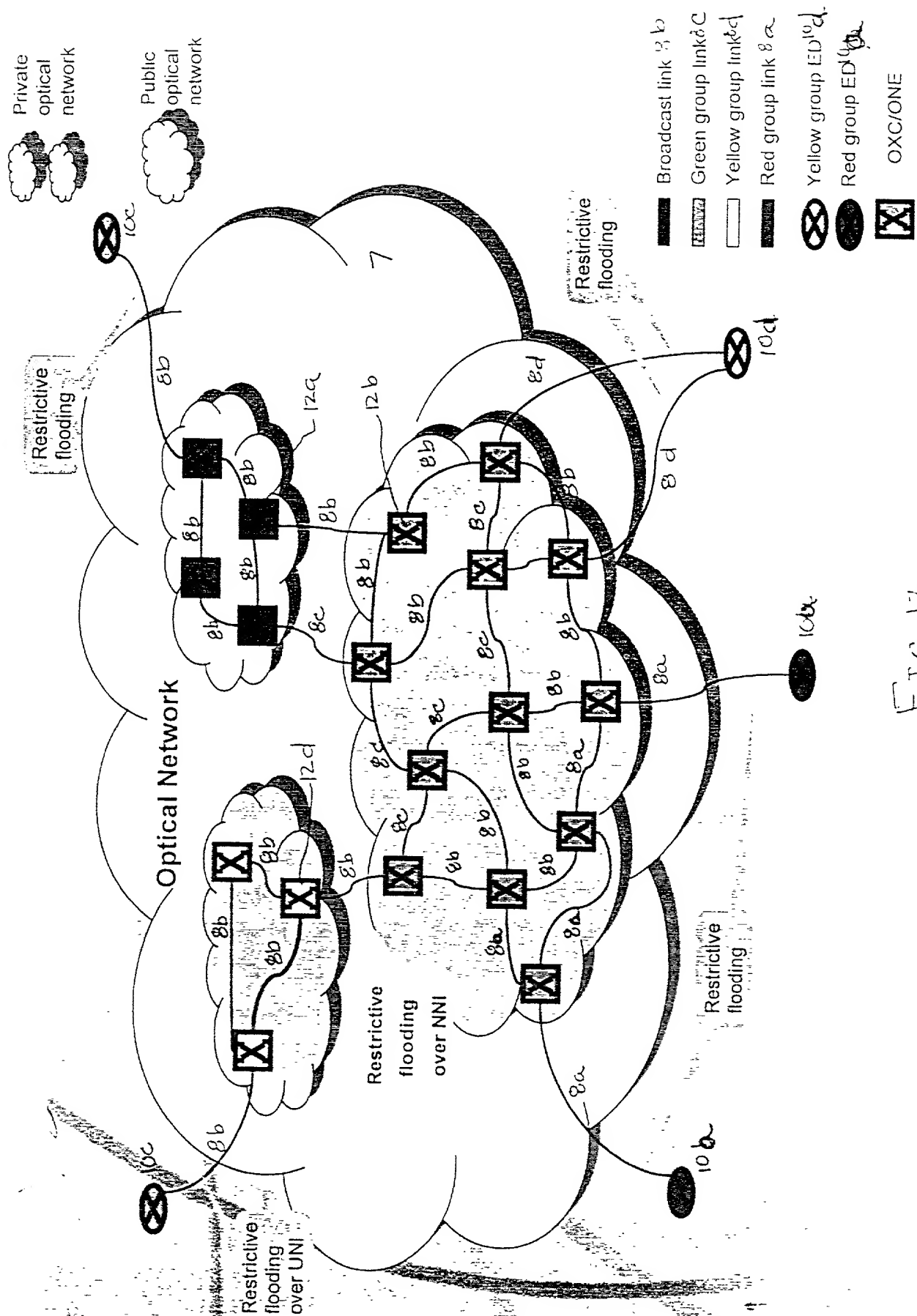


FIG. 12

06292569.062901

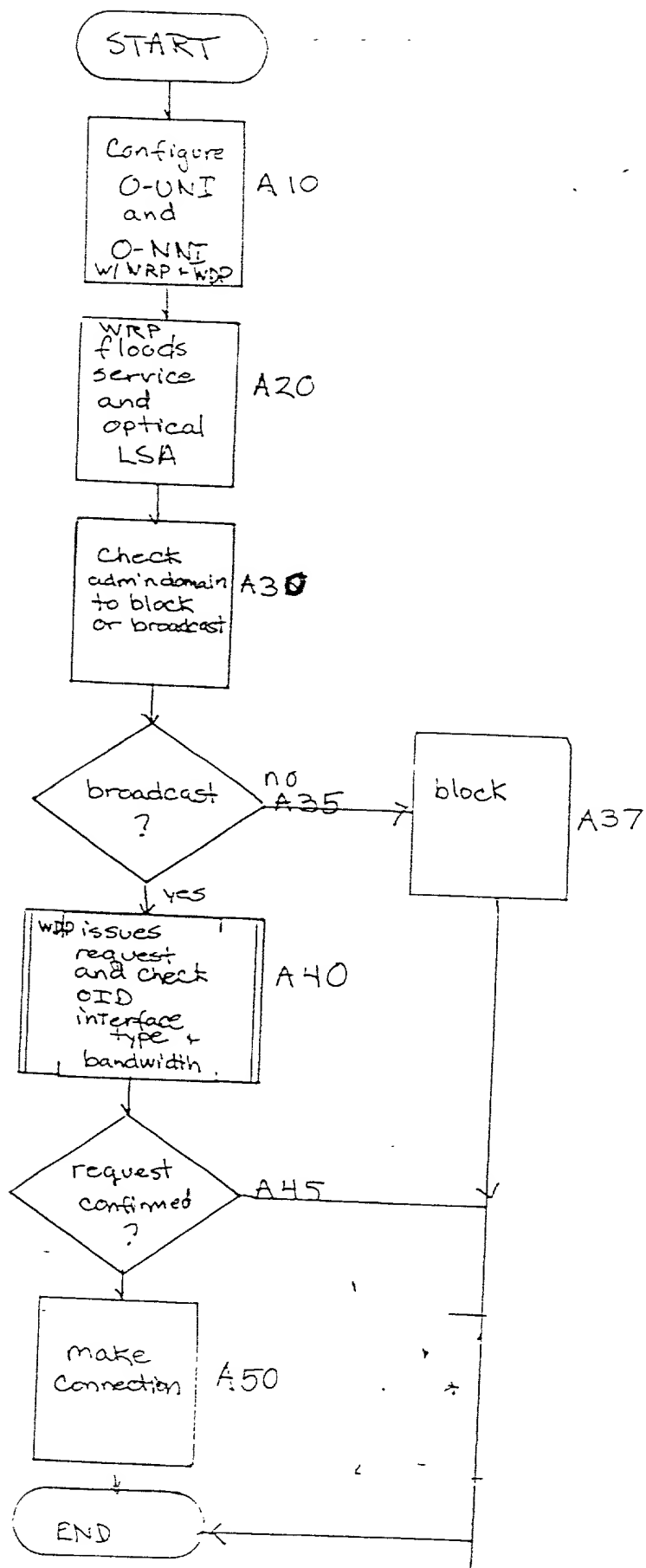


FIG 13

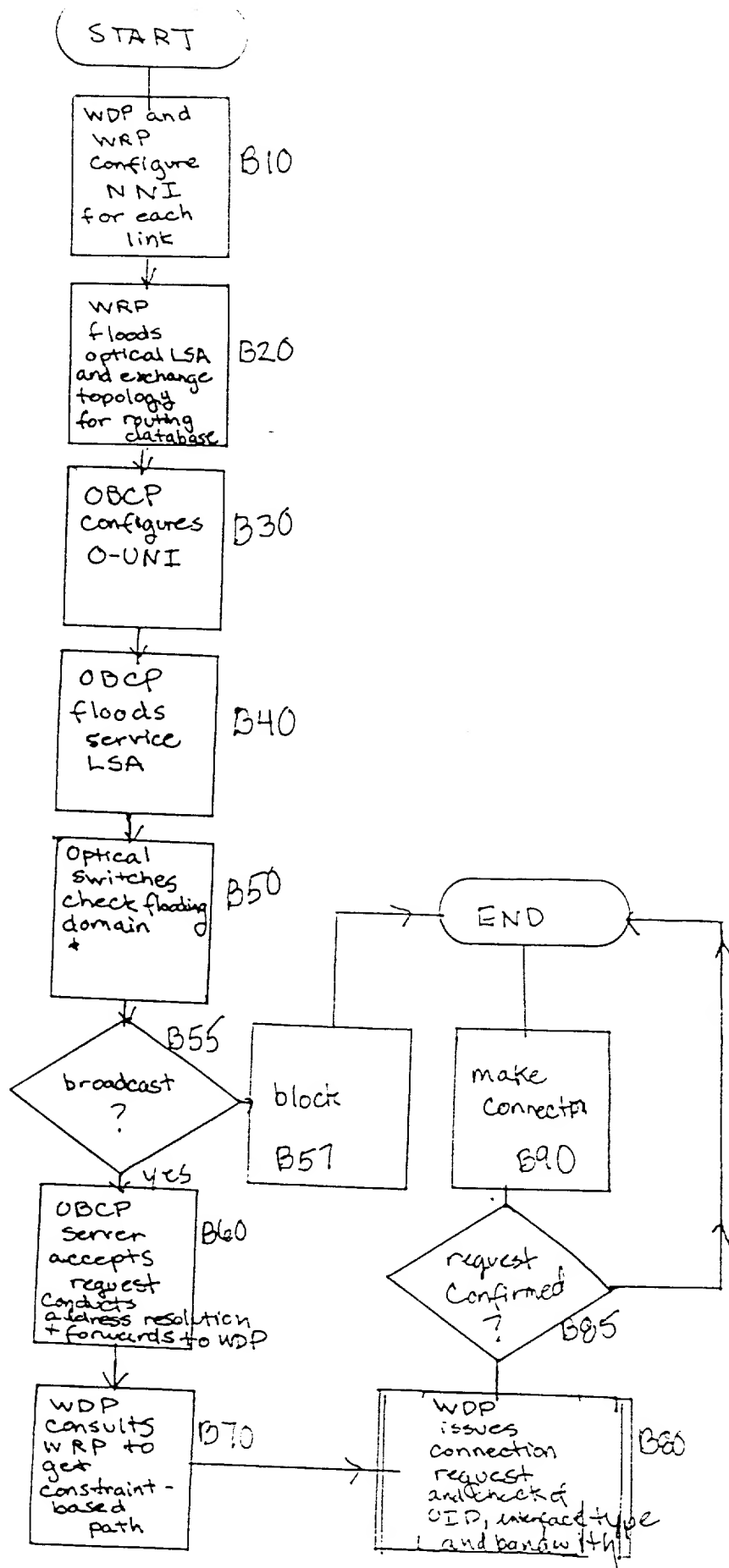


FIG 14

Service mode	Service LSA	Optical LSA	Other LSA
None (0)	B	C	D
A0	Block	Block	Block
Overlay Mode (1)	B0	C0	D0
A1	Flooding	Block	Block
Augmented Mode (2)	B1	C1	D1
A2	Flooding	Flooding	Block
Peer-to-peer Mode (3)	B2	C2	D2
A3	Flooding	Flooding	Flooding
	B3	C3	D3

FIG 15

500

User Name

Mike 501

User Password

\*\*\*\*\* 502

UNI Server

Kanata 503

OK 504

Cancel 505

FIG 10

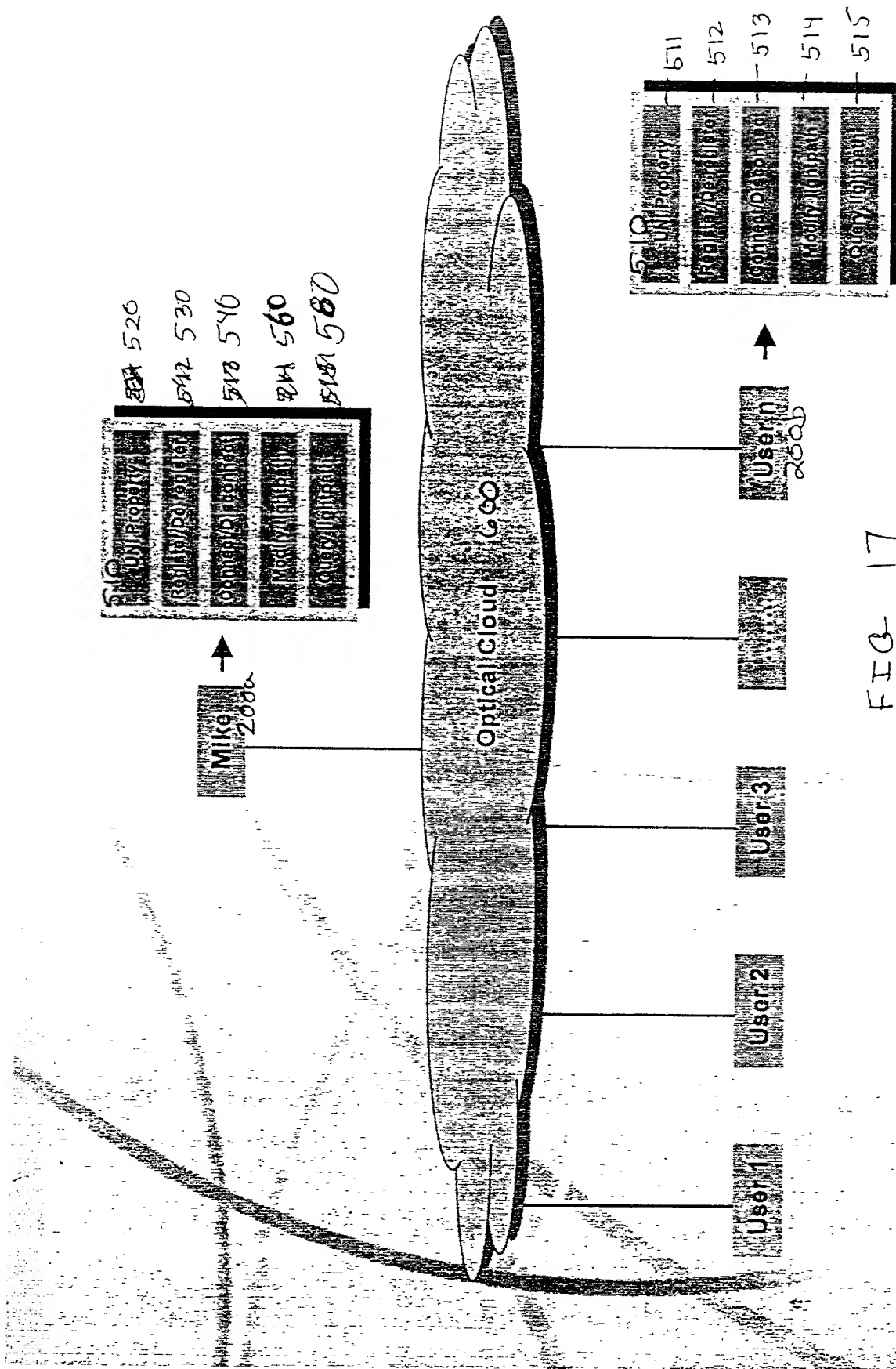


FIG. 17

108290" 69526860

520 User Name: Mike

User ID	47.25.110.10	521	User Group	33.22.67	522
Node Address	47.25.111.1	523	Port ID	6	524
Channel ID	48	525	Sub-channel ID	56	526
Contract ID	1234567890	527	Directionality	Bi-directional	528
Service type	Ethernet	529	Bandwidth	10 G	530

OK 531 Cancel 532

UNL/Property  
Register/Property  
Register/Property  
Register/Property  
Register/Property

FIG 18

520

User Name: Mike

User ID

47.25.110.10

522

User Group

33.22.67

522

Node Address

47.25.111.1

523

Port ID

6

524

Channel ID

48

525

Sub-Channel ID

56

526

Contract ID

1234567890

527

Directionality

Bi-directional

528

Service Type

Ethernet

529

Bandwidth

10G

530

533

Register

534

De-register

FIG  
19

541

Destination User ID

47.25.110.11
47.25.111.21
47.28.10.1
55.25.45.67
101.25.233.201

540

Source Node: 47.25.110.10

551

Bandwidth

Link Type

Signaling Type

10 G

Ethernet

On-demand

Scheduled

540

Source Node: 47.25.110.10

551

Destination Node: 47.25.111.21

552

Protection

Max Delay

Starting Time

Duration

Gold

10ms

Minute/Hour

DD/MM/YY

Minute/Hour

DD/MM/YY

OK

Cancel

Fig. 20

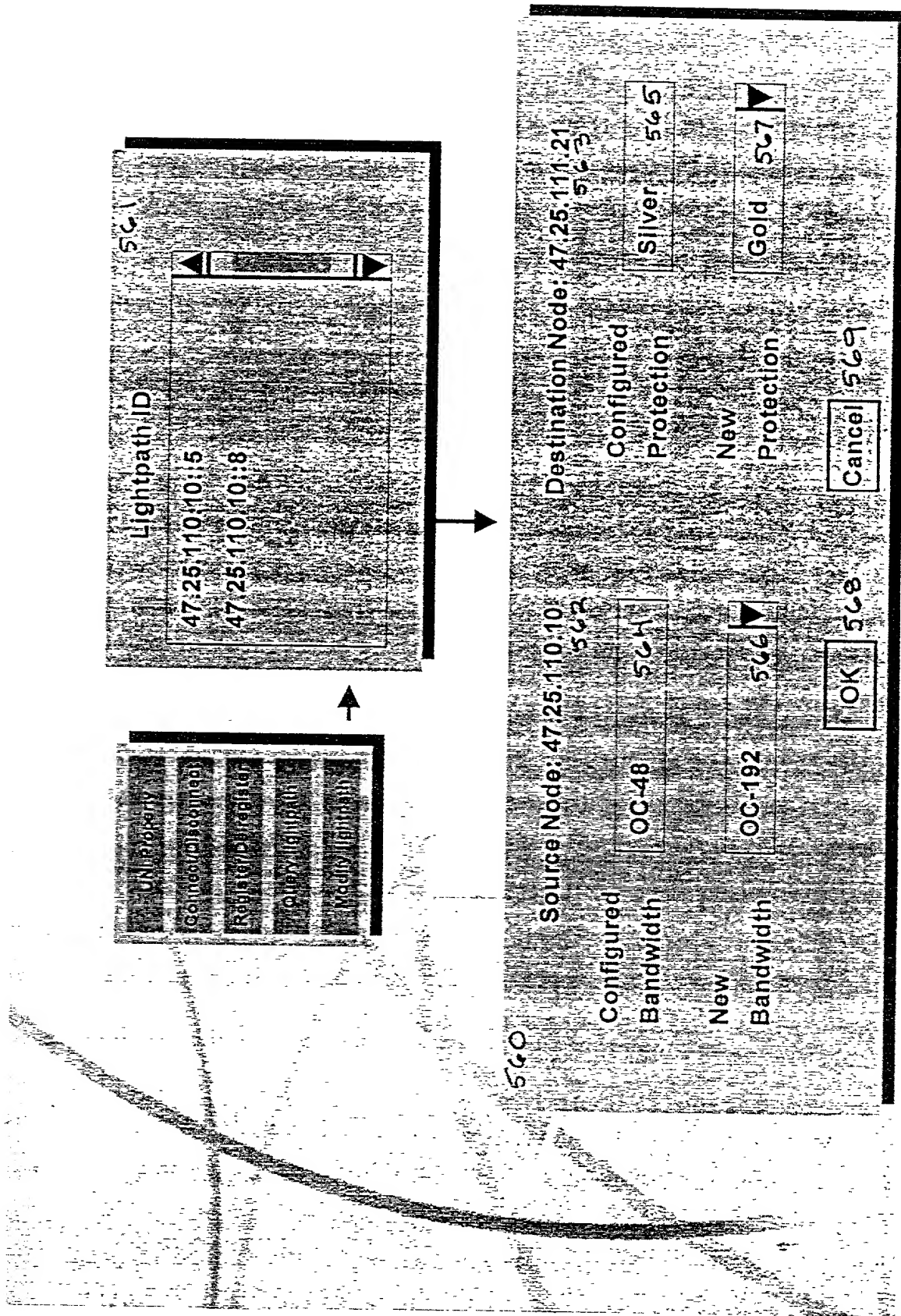


FIG. 21

Source Node: 47.25.110.10 580		Destination Node: 47.25.111.21 583	
Bandwidth	OC-48 584	Protection	Gold 585
Link Type	TDM 586	Max Delay	10ms 587
Signaling Type	On-demand / Scheduled 588	Connected time	128H 37M 589
		Starting From	Minute/Hour DD/MM/YY 590
		Duration	Minute/Hour DD/MM/YY 591
		592	
		593	
		594	
		595	
		596	
		597	
		598	
		599	
		600	
		601	
		602	
		603	
		604	
		605	
		606	
		607	
		608	
		609	
		610	
		611	
		612	
		613	
		614	
		615	
		616	
		617	
		618	
		619	
		620	
		621	
		622	
		623	
		624	
		625	
		626	
		627	
		628	
		629	
		630	
		631	
		632	
		633	
		634	
		635	
		636	
		637	
		638	
		639	
		640	
		641	
		642	
		643	
		644	
		645	
		646	
		647	
		648	
		649	
		650	
		651	
		652	
		653	
		654	
		655	
		656	
		657	
		658	
		659	
		660	
		661	
		662	
		663	
		664	
		665	
		666	
		667	
		668	
		669	
		670	
		671	
		672	
		673	
		674	
		675	
		676	
		677	
		678	
		679	
		680	
		681	
		682	
		683	
		684	
		685	
		686	
		687	
		688	
		689	
		690	
		691	
		692	
		693	
		694	
		695	
		696	
		697	
		698	
		699	
		700	
		701	
		702	
		703	
		704	
		705	
		706	
		707	
		708	
		709	
		710	
		711	
		712	
		713	
		714	
		715	
		716	
		717	
		718	
		719	
		720	
		721	
		722	
		723	
		724	
		725	
		726	
		727	
		728	
		729	
		730	

Feb 22